

## **WATER UTILITY SYSTEM FACILITIES**

The Water Utility System (System) relies on both surface and ground water supplies. Surface water is taken from Lake Conroe and Lake Houston in the San Jacinto River System and Lake Livingston in the Trinity River System. In aggregate, these supplies are sufficient to meet the City's expected water requirements beyond the year 2035. However, additional water supplies must be developed to meet our long-term needs. In addition, the System continues to shift its supply source from groundwater to surface water in accordance with state mandates.

The System delivers treated surface and ground water to customers through a series of storage tanks, pump stations and transmission and distribution mains. This potable water is sold to domestic, commercial, industrial, governmental and other customers in the Houston metropolitan area. Untreated surface water is delivered for sale to governmental, industrial and agricultural customers.

The Water Utility System Capital Improvements Program (CIP) continues to focus on neighborhood renewal by replacing old, unreliable water lines along with upgrading/improving the City's water transmission and treatment system to replace an aging infrastructure and to meet the demands of new growth. The six-year program totals \$748 million and is financed with revenue bonds.

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### **Highlights of the FY2008-2013 CIP include:**

- Continued replacement of neighborhood water mains to improve customer service, water quality, system reliability and assure compliance with TCEQ regulations, and installation of fire hydrants on undersize water lines to increase fire protection (\$50.1 million in FY2008)
- Expansion and improvement of the Southeast and East Water Purification Plants
- Construction of surface water transmission lines to provide a reliable surface water supply for Houston
- Replacement of water lines under City's Street and Storm CIP projects
- Rehabilitation of Large Diameter Water Transmission Lines
- Improvements of water distribution system in Houston Hope areas (S-0036)
- Increased participation with Developers in water main construction cost to promote inner city development